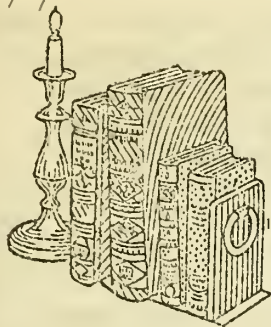


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Vol. 10, No. 2.

August 1951.

"Reading has made nations--and individuals--rise or fall.
It can be waste power or power applied."

--Donald Laird.

NEW BOOKS IN THE LIBRARY

BERNHARD EDUARD FERNOW, A STUDY OF NORTH AMERICAN FORESTRY, by Andrew Denny
Rodgers, III. Princeton Univ. Press, 1951. 623p. 120 F392

"Fernow was the first professional forester in North America. When he arrived from Germany, a forester was thought of as a kind of Robin Hood; today forestry is a recognized branch of biology, and there are 18,000,000 acres of forest reservations in the United States and Canada. Of course all this progress cannot be credited to Fernow, but he was the leading American forester from 1876 until his death in 1923, and the story of his life, told in detail in this book, is in fact the history of forestry in North America." From book jacket.

DECIDUOUS FORESTS OF EASTERN NORTH AMERICA, by E. Lucy Braun. Blakiston, 1950.
596p. 99.11 B73

"This book was conceived as a result of many years of study throughout the deciduous forest. Its purpose is to give a broad and coordinated account of the entire deciduous forest--a comprehensive view which may make possible the better understanding of fragments of forest and give a setting for past and future local and detailed studies. Toward this end, I have attempted, first, to portray what is (or was) present in any geographic area and to reconstruct the pattern of original forest insofar as the fragments remaining permit; second, to give data on composition and aspect of forest communities in all parts of the deciduous forest; and third, to trace through geologic time the development of the present pattern of forest distribution." From Preface.

ECONOMIC RESOURCES AND POLICIES OF THE SOUTH, by Calvin B. Hoover and B. U. Ratchford. Macmillan, 1951. 464p. 280.002 H76

This book was written because the National Planning Association Committee of the South was desirous of having a study made of alternative economic policies for the South. Economic policies could not be analyzed intelligently without adequate information concerning the economic resources of the South. These basic data had never been gathered into a form usable for analysis. The authors did

much research on resources. This book does not attempt to give a complete catalog of those resources, as that would take a volume in itself. The authors do give a brief and general survey of the economic resources needed to clarify their analyses of the economic policies presented. Industry, public finance, natural resources, forests, agriculture, labor, and international trade are among the subjects considered.

ELECTRICITY IN THE HOME AND ON THE FARM, by F. B. Wright. 3rd ed. Wiley, 1950. 380p. 335 W932 Ed.3

"This book combines principles with practical applications...In the first part of the book principles and theory are explained in easy-to-understand language. Some of the topics covered are electric circuits, electrical effects, alternating current, electric motors, and wiring systems.... The second part of the book provides the applications... Much elementary material of the previous editions is omitted and more advanced material is included. Information on alternating current, standard voltage equipment, and a-c motors replaces most of the data on low-voltage wiring and equipment. Recent developments plus the suggestions of users of the early editions are incorporated to make the third edition as modern, practical, and simple-to-use as possible." From book jacket.

GRAY'S MANUAL OF BOTANY, by M. L. Fernald. 8th ed. American Book Company, 1950. 1632p. 455.2 G79M Ed.8

This 8th edition appeared 102 years after the first, 42 years after the 7th edition. The changes in this edition have been so extensive that it is essentially a new work. It is a much larger book, the named entities having increased from 4885 to 8340. The northern boundary of the region covered has been extended up into Quebec and Newfoundland, but the southern boundary still follows the southern boundaries of Virginia, Kentucky, Missouri, and eastern Kansas.

MAKE FRIENDS WITH YOUR LAND, by Leonard Wickenden. Devin-Adair Company, 1949. 132p. 56.6 W63

This book was written by a chemist who was at first skeptical of the theories and claims of organiculturists, but who became an enthusiast himself after experience in his own garden and on his Connecticut farm. In a simply written, very readable book, Mr. Wickenden explains and supports organic agriculture.

NEW WAYS TO BETTER MEETINGS, by Bert and Frances Straus. Viking Press, 1951. 145 St82

"This book offers a new kind of practical help for both leaders and the so-called led. Step by step, it tells how to get the members of a group, small or large, to participate; how to reach decisions without straitjacket Rules of Order; how to use the valuable tool of role-playing; how the small meeting works best; how to involve an audience in a large meeting; how to get the best results from a big conference." From book jacket.

PRINCIPLES OF NURSERY MANAGEMENT, by W. P. Duruz. De La Mare, 1950. 125p. 90.21 D93

"Dr. Duruz, a specialist in this subject, has written this book as a guide to the practice and study of nursery management. It is a text for the beginner, or the student, and an aid to those already engaged in the nursery business. ... This book is not a manual, but it does include such essential information as culture, propagation by vegetative methods, pest control and plant quarantine. It illustrates the importance of a suitable location, tells of the nature and history of the nursery business, the origin and classification of plants, and how to sell nursery stock and manage the business." From book jacket.

SOIL CONDITIONS AND PLANT GROWTH, by Sir E. John Russell. Eighth edition reset and rewritten by E. Walter Russell. Longmans, Green, 1950. 635p. 56.3 R91S Ed.8

"One principal topic of the book is the nature of humus and its functions in the soil. Another is concerned with soil micro-organisms, soil animals and what they do in the soil, including a consideration of nitrogen fixing organisms and of cropping and intercropping with leguminous plants. There are discussions of the present-day theories of water movement in the soil and the role of capillarity in supplying the plant with water. The problems of acid soils and cultivations, ploughing and mulching are considered.

In this edition the discussions on the soil organisms, the soil water, soil structure and the principles of soil management have been much extended. There are a large number of references to original papers and the principal topics of the last edition have all been included." From book jacket.

WESTERN STOCK RANCHING, by M. H. Saunderson. Univ. of Minnesota Press, 1950. 247p. 60.1 Sa8

"In the following presentation of materials concerning western stock ranch economy and management, my purpose is to show the practical applications of these materials to the planning and management of the stock ranch. ...The first chapter develops this regional characterization, which forms a background for all the succeeding chapters. ... In Chapters II, III, and IV emphasis has been placed upon the interrelationships of livestock management, rangeland management, and the use of feed crops in the production plan of the ranch.... Chapter V shows the relationship of markets and prices to the production planning and gives the production and income standards for different regions....Chapter VI deals primarily with production cost standards, methods of cost analysis, and financial planning. Chapter VII concerns the long-time management plan of the ranch.... The final chapter shows some of the relationships of federal public land use and federal public land policy to the management of stock ranches that use such lands." From the Preface.

TWO NEW PERIODICALS

AUSTRALIAN JOURNAL OF AGRICULTURAL RESEARCH. Quarterly.

We have the following reprints from Volume I, 1950:

- "The Effect of Lateral Movement of Water In Soil On Infiltration Measurements."
- "The Measurement of Stability of Soil Micro-Aggregates in Water."
- "Stability of Structural Aggregates of Dry Soil."
- "A Theory of Prior Streams As A Causal Factor of Soil Occurrence in the Riverine Plain of South-Eastern Australia."

FOREST RESEARCH NOTES. Quarterly issued by Forest Research Institute of New Zealand Forest Service.

The first issue, July 1950, was a bibliography of Pinus radiata. Among the articles in the next two issues were: "The Mycorrhizas of Trees in New Zealand Forests", "Rate of fall of Kauri...Seeds in Quiet Air", "Propagation of Pinus radiata D. Don by Means of Cuttings."

If you wish to receive either of these magazines regularly, let us know.

REPORTS ON RESEARCH

RESEARCH AND RELATED SERVICES IN THE UNITED STATES DEPARTMENT OF AGRICULTURE.

Prepared for the Committee on Agriculture of the House of Representatives
Eighty-First Congress, Second Session, Dec. 21, 1950.

Vol. I, Chapters 1-11. Contents: Introduction--"Science Transforms American Agriculture" and "Agricultural Headlines-1839-1950." Discussions of research in Livestock, dairy, poultry and eggs, wool and mohair--sheep and goats, grains, rice, dry beans and peas, feeds and forage, seeds, cotton and other fiber plants, oilseeds and peanuts.

Vol. II, Chapters 12-22. Contents: Citrus and subtropical fruit, deciduous fruits and edible tree nuts, vegetables, potatoes, sugar (including molasses and sirups), tobacco, specialty and miscellaneous crops, transportation, storage and refrigeration, forests and forest products, and soils, water, and fertilizers.

Vol. III, Chapters 23-29. Contents: Foreign activities; economics of production; economics of the home; economics of marketing; prices and income; farm population and rural life; food and nutrition; farm and home equipment and structures; pests and pesticides; crop and livestock estimates; market news services; standardization, grading, and inspection; control and regulatory services; marketing improvement; marketing education; miscellaneous (antibiotics, plant-growth regulators, bees, plant introduction, plant disease forecasting, etc.); and research at the State agricultural experiment stations.

SELECTED BULLETINS

Agronomy

"Chemical Defoliation of Cotton." Ark. Agr. Expt. Sta. Report Ser. 27. 23p.
100 Ar42R 27

"Quanah Wheat." Tex. Agr. Expt. Sta. Bul. 734. 1951. 10p. 100 T31S 734

"Results of Lime and Gypsum Experiments with Runner Peanuts." Ala. Agr. Expt. Sta. Prog. Rpt. Ser. 48. 1951. 6p. 100 AL1P 48

Entomology

"Control Household Pests." New Mex. Agr. Ext. Ser. Cir. 226. 1951. 16p.
275.29 N463E

"Control Your Garden Pests." New Mex. Agr. Ext. Ser. Cir. 230. 1950. 275.29
N463E 230

"Cotton Insect Control Guide for New Mexico, 1951." New Mex. Agr. Ext. Ser. Cir. 227. 1951. 7p. 275.29 N463E 227

"Toxicology of Parathion and Other Phosphatic Insecticides and Precautions for Their Use on Citrus." Fla. Agr. Expt. Sta. Bul. 479. 1951. 24p. 100 F66S

Forestry

"Changes in Forest Conditions 1936-1949, North Central Minnesota and Upper Peninsula of Michigan (A Preliminary Analysis)." Lake States Forest Expt. Sta. Station Paper 25. 1951. 20p. 1.9622 L2St2 25

"Effect of Slash Mulch and Slash Burn on Pine and Spruce Plantings." Conn. Agr. Expt. Sta. Bul. 548. 1951. 21p. 100 C76S 548

"Effects of Some Cover Types on Interplanted Forest Tree Species." Central States Forest Expt. Sta. Tech. Paper 125. 1951. 15p. 1.9622 C3T222 125

- "Is Jack Pine Tree Growth Affected by Age of Parent Seed?" Lake States Forest Expt. Sta. Technical Notes 358. 1951. 1p. 1.9 F7625T 358
- "Recent Direct Seeding Trials in the Pine Region of California." Calif. Forest and Range Expt. Sta. Forest Res. Notes 78. 1951. 9p. 1.9 F7626R 78
- "Reproduction on Cut-Over and Burned-Over Land in Canada." Canada. Silvicultural Research Note 92. 1951. 224p. 99.9 C16Re 92
- "Watershed Forestry to Safeguard Our Soil, Water, and Timber," by Bernard Frank. Central States Forest Expt. Sta. Tech. Paper 119. 1951. 7p. 1.9622 C3T222

Hay

- "Hay and Seed Drying With A Slatted Floor System." Fla. Agr. Expt. Sta. Bul. 477. 1951. 46p. 100 F66S 477
- "Hay Harvesting Methods and Costs." USDA Cir. 868. 1951. 122p. 1 Ag84C 868

Horticulture

- "Chemical Weed Control in Horticultural Crops." Mo. Agr. Expt. Sta. Bul. 549. 1951. 28p. 100 M693 549
- "Control of Diseases and Insects of Tomatoes in Alabama." Ala. Agr. Expt. Sta. Progress Rpt. Ser. 47. 1951. 9p. 100 AL1P 47
- "Growing Pecans in Georgia." Ga. Agr. Ext. Ser. Bul. 501. 1951. 24p. 275.29 G29B 501
- "Studies of Organic Materials for Vegetable Crops." Ala. Agr. Expt. Sta. Bul. 280. 1951. 67p. 100 AL1B 280

Livestock

- "Bibliography on the Marketing of Livestock, Meat, and Meat Products." USDA Bibliographical Bul. 15. 1951. 209p. 1 Ag84Bi 15
- "Finely Ground Peanut Hulls and Prairie Hay in Rations for Fattening Steers." Tex. Agr. Expt. Sta. Prog. Rpt. 1385. 1951. 3p. 100 T31P 1385
- "Johnes Disease (Paratuberculosis) of Cattle." USDA Cir. 873. 1951. 8p. 1 Ag84C 873
- "Let's Control Livestock Pests!" New Mex. Agr. Ext. Ser. Cir. 228. 1951. 275.29 N463E 228
- "Steer Feeding Tests at Beeville, 1950-51." Tex. Agr. Expt. Sta. Prog. Rpt. 1386. 1951. 4p. 100 T31P 1386
- "Wintering Feeder Calves in Arkansas." Ark. Agr. Expt. Sta. Bul. 515. 1951. 31p. 100 Ar42 515

Plant Diseases

- "Forage Crop Diseases." N. C. Agr. Ext. Ser. Cir. 361. 1951. 11p. 275.29 N811C 361
- "Small Grain Diseases." N. C. Agr. Ext. Ser. Cir. 347. 1951. 31p. 275.29 N811C 347

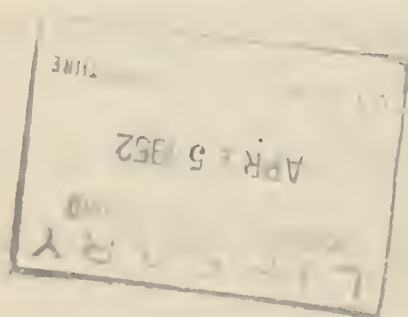
Miscellany

- "Broiler Production in Oklahoma." Okla. Agr. Ext. Ser. Cir. 555. 15p. 275.29 Ok41C 555
- "Chemical Sprays Reduce Right-of-Way Maintenance Costs." Lake States Forest Expt. Sta. Tech. Notes 359. 1951. 1p. 1.9 F7625T 359

- "Design and Operation of Rocky Mountain Infiltrimeter." Rocky Mountain Forest and Range Expt. Sta. Station Paper 5. 1951. 68p. 1.9622 R2St22 5
- "Conference Report on Extension Experiences Around the World, Washington, D. C., May 16-20, 1949." USDA. 1951. 208p.
This report is especially interesting now when we have the Point Four program and are trying to give technical aid to other countries.
- "A Field Study of Practice in Loose Housing of Dairy Cattle in Missouri." Mo. Agr. Expt. Sta. Res. Bul. 468. 1950. 36p. 100 M693R 468
- "Fluctuations in Crops and Weather, 1866-1948." USDA Statistical Bul. 101. 1951. 183p. 1 Ag84S 101
- "Good Pastures Pay." Mo. Agr. Expt. Sta. Bul. 547. 1951. 24p. 100 M693
- "Injury to Seed Beans During Threshing and Processing." USDA Cir. 874. 1951. 10p. 1 Ag84C 874
- "Management of Irrigation and Drainage Enterprises in Utah." Utah Agr. Expt. Sta. Bul. 349. 1951. 49p. 100 Ut1B 349
- "Our Part in Building a Free World." Proceedings of Thirteenth Annual National Farm Institute, Feb. 16-17, 1951, Des Moines, Iowa.
- "Partners in Progress, a Report to the President by the International Development Advisory Board." 1951. 120p.
- "Programs of the Federal Government Affecting Children and Youth." A summary prepared by the Interdepartmental Committee on Children and Youth. 1951. 126p.
- "Report of the Secretary of Agriculture to the President of the United States, 1950." 1951. 37p. 1 Ag84
- "Six Long Strides to Better Sandy Soils." Wis. Agr. Ext. Ser. Special Cir. 1951.
- "Sources and Use of Farm and Home Information by Low-Income Farmers in Missouri." Mo. Agr. Expt. Sta. Res. Bul. 472. 1951. 34p. 100 M693R 472
- "Treated Fence Posts." Okla. Agr. Ext. Ser. Cir. 541. 14p. 275.29 Ok41C
- "Use of Honey Bees in Alfalfa Seed Production." USDA Cir. 876. 1 Ag84C 876
- "Wildlife in Texas." Texas Game, Fish and Oyster Commission Bul. 28. 1950. 36p.

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